

HARVEY & SIMON

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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SEP 1993	FILED DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/056-501	08/03/93	HARVEY	56347

2002/0831

THOMAS J. SCOTT, JR.  
HARVEY & SIMON  
1099 PENNSYLVANIA AVE., N.W.  
WASHINGTON, DC 20004-2402

DATE: 03/31/94

ART UNIT: 2202  
PAPER NUMBER: 2202

DATE MAILED: 03/31/94

DOCKETED

APR 4 1994

# NOTICE OF ALLOWABILITY

## PART I

- ☒ This communication is responsive to Substantive Amendment of 7/14/93
- ☒ All the claims being allowable. PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
- ☒ The allowed claims are 1-56
- ☐ The drawings filed on \_\_\_\_\_ are acceptable.
- ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received. ☐ not been received. ☐ been filed in parent application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_
- ☐ Note the attached Examiner's Amendment.
- ☐ Note the attached Examiner Interview Summary Record, PTOL-413.
- ☒ Note the attached Examiner's Statement of Reasons for Allowance.
- ☐ Note the attached NOTICE OF REFERENCES CITED, PTO-892.
- ☒ Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

## PART II

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
- ☒ APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
  - ☒ Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. 2. CORRECTION IS REQUIRED.
  - ☐ The proposed drawing correction filed on \_\_\_\_\_ has been approved by the examiner. CORRECTION IS REQUIRED.
  - ☐ Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
  - ☒ Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

### Attachments:

- |   |   |
|---|---|
| - Examiner's Amendment                        | - Notice of Informal Application, PTO-152 |
| - Examiner Interview Summary Record, PTOL-413 | - Notice re Patent Drawings, PTO-948      |
| - Reasons for Allowance                       | - Listing of Bonded Draftsmen             |
| - Notice of References Cited, PTO-892         | - Other                                   |
| - Information Disclosure Citation, PTO-1449   |   |

*David Cain*

DAVID C. CAIN  
PRIMARY EXAMINER  
GROUP 2202

## INFORMATION ON HOW TO EFFECT DRAWING CHANGES DOCKETED

### 1. Correction of Informalities (Draftsman's objection on PTO-948)

In order to correct any informalities in the drawings, applicant **MUST** comply with options (a) or (b) below. Failure to do so will result in **ABANDONMENT** of the application.

a) File new drawings with the changes incorporated therein. The art unit number, serial number and number of drawing sheets should be written on the reverse side of the drawings. Applicant may delay filing of the new drawings until receipt of the "Notice of Allowability" (PTOL-37). If delayed, the new drawings **MUST** be filed within the THREE MONTH shortened statutory period set for response in the "Notice of Allowability" (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a). The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsman.

b) Request a commercial bonded drafting firm to make the necessary corrections.

**A BONDED DRAFTSMAN MUST BE AUTHORIZED, THE CORRECTIONS EXECUTED AND THE CORRECTED DRAWINGS RETURNED TO THE OFFICE DURING THE THREE MONTH SHORTENED STATUTORY PERIOD SET FOR RESPONSE IN THE "NOTICE OF ALLOWABILITY" (PTOL-37). EXTENSIONS OF TIME MAY BE OBTAINED UNDER THE PROVISIONS OF 37 CFR 1.136(a).**

### 2. Corrections other than Informalities Noted by the Draftsman on the PTO-948

All changes to the drawings, other than informalities noted by the Draftsman, **MUST** be made in the same manner as above except that, normally, a red ink sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

### 3. Timing of Corrections

Applicant is required to submit **acceptable** corrected drawings within the three month shortened statutory period set in the "Notice of Allowability" (PTOL-37). Within that three month period, two weeks should be allowed for review by the Office of the correction. If a correction is determined to be unacceptable by the Office, applicant must arrange to have an acceptable correction re-submitted within the original three month period to avoid the necessity of obtaining an extension of time and of paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Serial Number: 08/056,501  
Art Unit: 2202

-2-

1. In view of the earlier filed - later processed preliminary amendment of July 14, 1993, the rejection of September 27, 1993 is withdrawn.

2. Claims 1-56 are allowable over the prior art of record.

3. The following is an Examiner's Statement of Reasons for Allowance: The claims are allowed because no prior art could be found which would render obvious, in a signal processing system, the use of digital detection in a switched input receiver.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication should be directed to David Cain at telephone number (703) 308-0463.

March 30, 1994

*David Cain*

DAVID C. CAIN  
PRIMARY EXAMINER  
GROUP 2200

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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Address: Box ISSUE FEE  
COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

THOMAS J. SCOTT, JR.  
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22M2/0331

**NOTICE OF ALLOWANCE  
AND ISSUE FEE DUE**

SERIES CODE SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/056.501	05/03/93	056	CAIN, D	2202 03/31/94
Applicant: HARVEY, JOHN C.				
TITLE OF INVENTION: SIGNAL PROCESSING APPARATUS AND METHODS				

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2 56347	380-020.000	W46	UTILITY	YES	\$565.00	05/30/94

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.  
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS  
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

**I. Review the SMALL ENTITY Status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the Status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the Status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

- II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by a charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.
- III. All communications regarding this application must give series code (or filing date), serial number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees.**

## PART C - CHARGE TO DEPOSIT ACCOUNT

1 CORRESPONDENCE ADDRESS	

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
First Named Applicant				
TITLE OF INVENTION				

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE

DO NOT USE THIS SPACE

- 2a. The following fees are enclosed:  
☐ Issue Fee ☐ Advanced Order - # of Copies \_\_\_\_\_ (Minimum of 10)
- 2b. The following fees should be charged to:  
DEPOSIT ACCOUNT NUMBER \_\_\_\_\_  
☐ Issue Fee ☐ Advanced Order - # of Copies \_\_\_\_\_ (Minimum of 10)  
☐ Any Deficiencies in Enclosed Fees

The COMMISSIONER OF PATENTS AND TRADEMARKS is requested to apply the Issue Fee to the application identified above.

(Signature of party in interest of record)

(Date)

NOTE: The Issue Fee will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the Patent and Trademark Office.

TRANSMIT THIS FORM WITH PART B WHEN AUTHORIZING USE OF A DEPOSIT ACCOUNT